

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: *WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

920731 Cockrell to PGE Resources eff. 7-1-92:

DATE FILED 6-3-91

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. UTU-65949

INDIAN

DRILLING APPROVED: 7-10-91

SPUDED IN:

COMPLETED: 10-6-92 LA PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

NAD Per Oper Eff 10-6-92

FIELD: WILDCAT

UNIT:

COUNTY:

CARBON

WELL NO.

1210-2412 #1

API NO. 43-007-30139

LOCATION 2102' FSL FT. FROM (N) (S) LINE.

531' FWL

FT. FROM (E) (W) LINE.

NW SW

1/4 - 1/4 SEC. 24

TWP.

RGE.

SEC.

OPERATOR

PGE Resources Co.

TWP.

RGE.

SEC.

OPERATOR

12S

10E

24

~~COCKRELL OIL CORPORATION~~



COCKRELL OIL
CORPORATION

1600 SMITH • SUITE 4600 • HOUSTON, TEXAS 77002-7348
TELEPHONE 713/651-1271

May 31, 1991

State of Utah
Department of Natural Resources
Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Application for Permit to Drill
1210-2412 Well No. 1
Carbon County, Utah

Gentlemen:

Enclosed please find two copies of the Application for Permit to Drill
for the above referenced well in Carbon County, Utah.

If you have any questions regarding the above, please call me at
(713) 750-9309.

Very truly yours,

B. E. Weichman
Geologist

BEW:ys
Enclosures

RECEIVED

JUN 03 1991

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Cockrell Oil Corporation

3. ADDRESS OF OPERATOR

1600 Smith Street, Suite 4600, Houston, Texas 77002-7348

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2102' FSL, 531' FWL (NW $\frac{1}{4}$ SW $\frac{1}{4}$) Section 24, T12S, R10E

At proposed prod. zone

Same As Above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately Ten (10) Miles Northeast of Helper, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

531'

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2332.09'

19. PROPOSED DEPTH

3950' SPSS

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7978' GR

22. APPROX. DATE WORK WILL START*

August 1, 1991

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" WC-50	23.0#	0- 400'	385 sx Circulated to Surface *
7-7/8"	5-1/2" WC-70	17.0#	0-3950'	410 sx Cement

* Cement volumes may change due to hole size.
Calculate from Caliper log.

EIGHT-POINT RESOURCE PROTECTION PLAN ATTACHED.

I hereby certify that Cockrell Oil Corporation is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the 1210-2412 #1, Federal Lease # UTU-65949. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Cockrell Oil Corporation, Statewide Bond # UT-0794, who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application for Permit to Drill.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Feldor Hollenshead

TITLE

Vice-President

DATE

May 14, 1991

(This space for Federal or State office use)

PERMIT NO.

43-007-30139

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

DATE: 7-10-91

BY: JBT

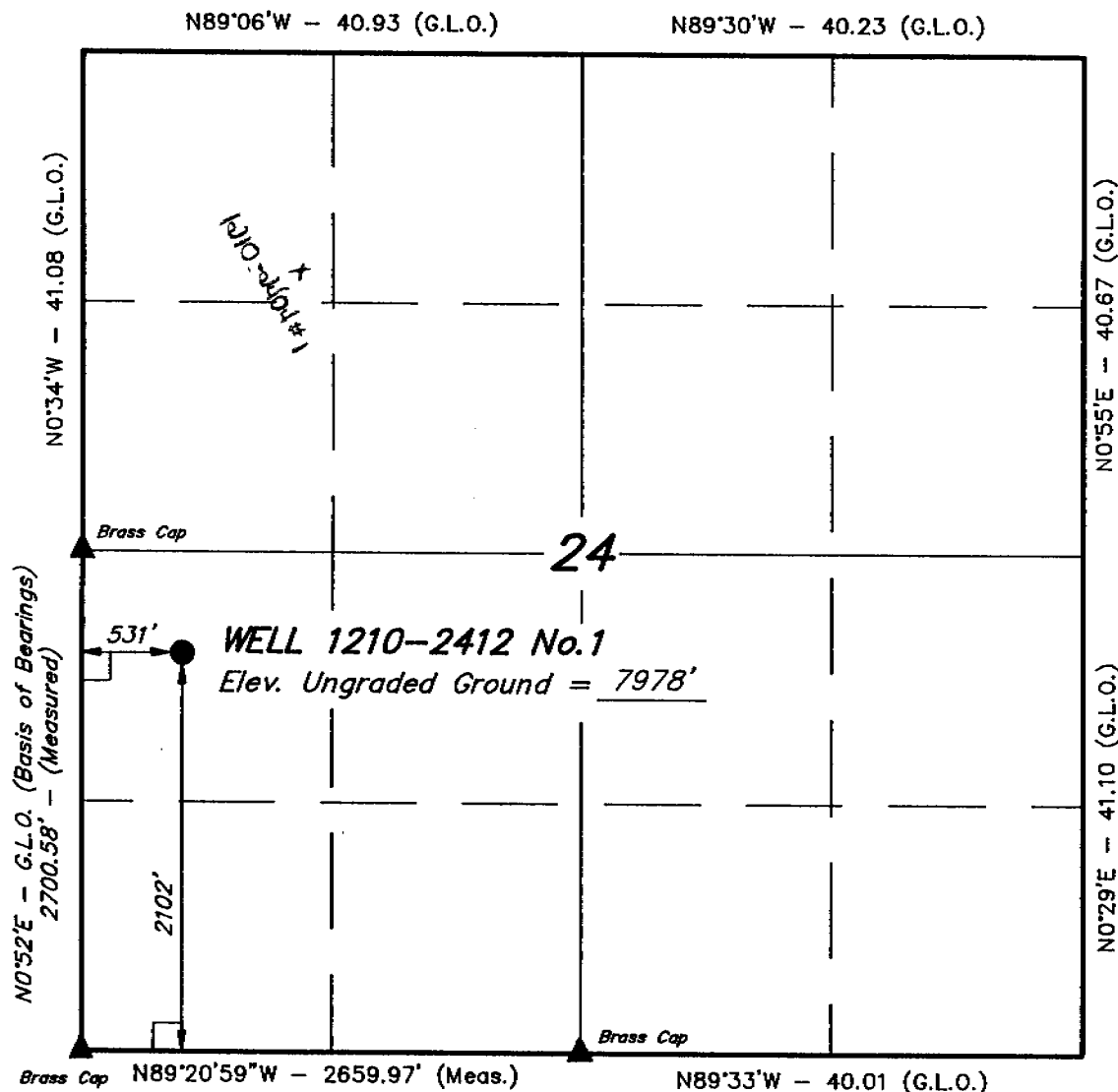
WELL SPACING: 615-3-2

*See Instructions On Reverse Side

T12S, R10E, S.L.B.&M.

COCKRELL OIL CORP.

Well location, WELL 1210-2412 No.1, located as shown in the NW 1/4 SW 1/4 of Section 24, T12S, R10E, S.L.B.&M. Carbon County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP IN THE SW 1/4 NE 1/4 OF SECTION 11, T12S, R10E, S.L.B.&M. TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP). PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7282 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Lay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 4-30-91
PARTY D.A. R.A. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE COCKRELL OIL CORP.

▲ = SECTION CORNERS LOCATED. (Brass Caps)

COCKRELL OIL CORPORATION
Lease #UTU-65949, 1210-2412 #1
NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 24, T12S, R10E
Carbon County, Utah

Drilling Prognosis

1. Estimated Tops of Important Geologic Markers:

North Horn	Surface	Blackhawk	2700'
North Horn	50'	Starpoint	3400'
Price River	1900'	Total Depth	3950'
Castlegate	2400'		

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

Blackhawk	2700'	Gas (Primary Objective)
Starpoint	3400'	Gas (Primary Objective)

Any shallow water zones encountered will be adequately protected and reported; none anticipated. All potentially productive hydrocarbon zones will be cemented off.

3. Pressure Control Equipment: (Schematic Attached)

A. Type: 9-10" Double Gate Hydraulic.

The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Kill line (2-inch minimum).
4. One (1) kill line valve (2-inch minimum).
5. One (1) choke line valve.
6. Two (2) adjustable chokes.
7. Upper kelly cock valve with handle available.
8. Safety valve & subs to fit all drill strings in use.
9. 2-inch (minimum) choke line.
10. Fill-up line above the uppermost preventer.

B. Pressure Rating: 2000 psi

C. Testing Procedure:

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug).

3. Pressure Control Equipment:

C. Testing Procedure: Continued

Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day.

All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles which meet the manufacturer's specifications will be used as the backup to the required independent power source. The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Operating Order #2.

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Operating Order #2.

3. Pressure Control Equipment:

F. Miscellaneous Information: Continued

The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

4. The Proposed Casing and Cementing Program: (All New)

A. Casing Program:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Joint</u>	<u>Depth Set</u>
12-1/4"	8-5/8"	23.0#	WC-50	ST&C	0- 400'
7-7/8"	5-1/2"	17.0#	WC-70	LT&C	0-3950'

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Cementing Program:

Surface Casing : Lead with approximately 25 sx Pozmix "A" as scavenger. Tail with approximately 360 sx Premium cement with 2% CaCl_2 + 0.25 #/sx Flocele, circulated to surface with 100% excess.

Production Casing : First Stage, 25 sx Silica HiFill as scavenger followed by 275 sx 50/50 Pozmix with 2% gel, 0.6% Halad 322 + 0.25 #/sx Flocele.

Production Casing : Second Stage, 85 sx Silica HiFill cement circulated to surface.

4. The Proposed Casing and Cementing Program:

B. Cementing Program: Continued

A greater amount of cement will be used if necessary to ensure that all potentially productive hydrocarbon zones are cemented off. Fill-up to be determined from logs.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0- 400'	FW/Gel/Caustic	8.3-8.7	40-45	No Control
400-3950'	FW/Gel/Caustic	8.7-9.1	38-45	10-20 cc's

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. Evaluation Program:

Logs

Dual Induction Guard	:	4400' - 400'
Spectral Density/Dual Spaced Neutron	:	4400' - 400'
High Resolution Spectral Density	:	4400' - 400'
Microlog	:	4400' - 400'

DST's

None Anticipated.

Cores

None anticipated.

Evaluation Program may change at the discretion of the well-site geologist, with prior approval from the Authorized Officer, Moab District Office, Bureau of Land Management, P.O. Box 970, Moab, Utah 84532-0970.

6. Evaluation Program: Continued

Stimulation

No stimulation or frac treatment has been formulated for this test at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

Whether the well is completed as a dry hole or as a producer, Well Completion and Recompletion Report and Log (Form 3160-4) will be submitted to the Moab District Office not later than thirty (30) days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164.

Two (2) copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager, Moab District Office, Bureau of Land Management.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H₂S has been reported or is known to exist from previous drilling in this area at this depth.

Maximum anticipated bottom hole pressure equals approximately 1,714 psi (calculated at 0.434 psi/foot) and maximum anticipated surface pressure equals approximately 845 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates and Notification of Operations:

A. Anticipated Starting Dates:

Anticipated Commencement Date	:	August 1, 1991
Drilling Days	:	Approximately 14 Days
Completion Days	:	Approximately 5 days

B. Notification of Operations:

The spud date will be reported orally to the Moab District Office, Bureau of Land Management WITHIN 48 HOURS FOLLOWING SPUDDING, unless otherwise required.

8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations: Continued

A follow-up report on Form 3160-5 confirming the date of spud will be promptly submitted to the Moab District Office.

All wells, whether drilling, producing, or abandoned shall be identified in accordance with 43 CFR 3162.6. This requires the name of the operator, the lease number, the well number and the location of the well.

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the Royalty Management Program, Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217.

Spills, blowouts, fires, leaks, accidents, theft, or any other unusual occurrences will be promptly reported to the Moab District Office in accordance with NTL-3A.

No well abandonment operations will be commenced without the prior approval of the District Manager or his authorized representative. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Notice of Intention to Abandon" (Form 3160-5) will be filed with the District Manager within fifteen (15) days following the granting of oral approval to abandon.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch: "Fed" or "Ind", as applicable; Company Name, Well Name and Number, Location by Quarter/Quarter, Section, Township, Range, and Federal or Indian Lease Number.

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the well bore.

8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations: Continued

This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

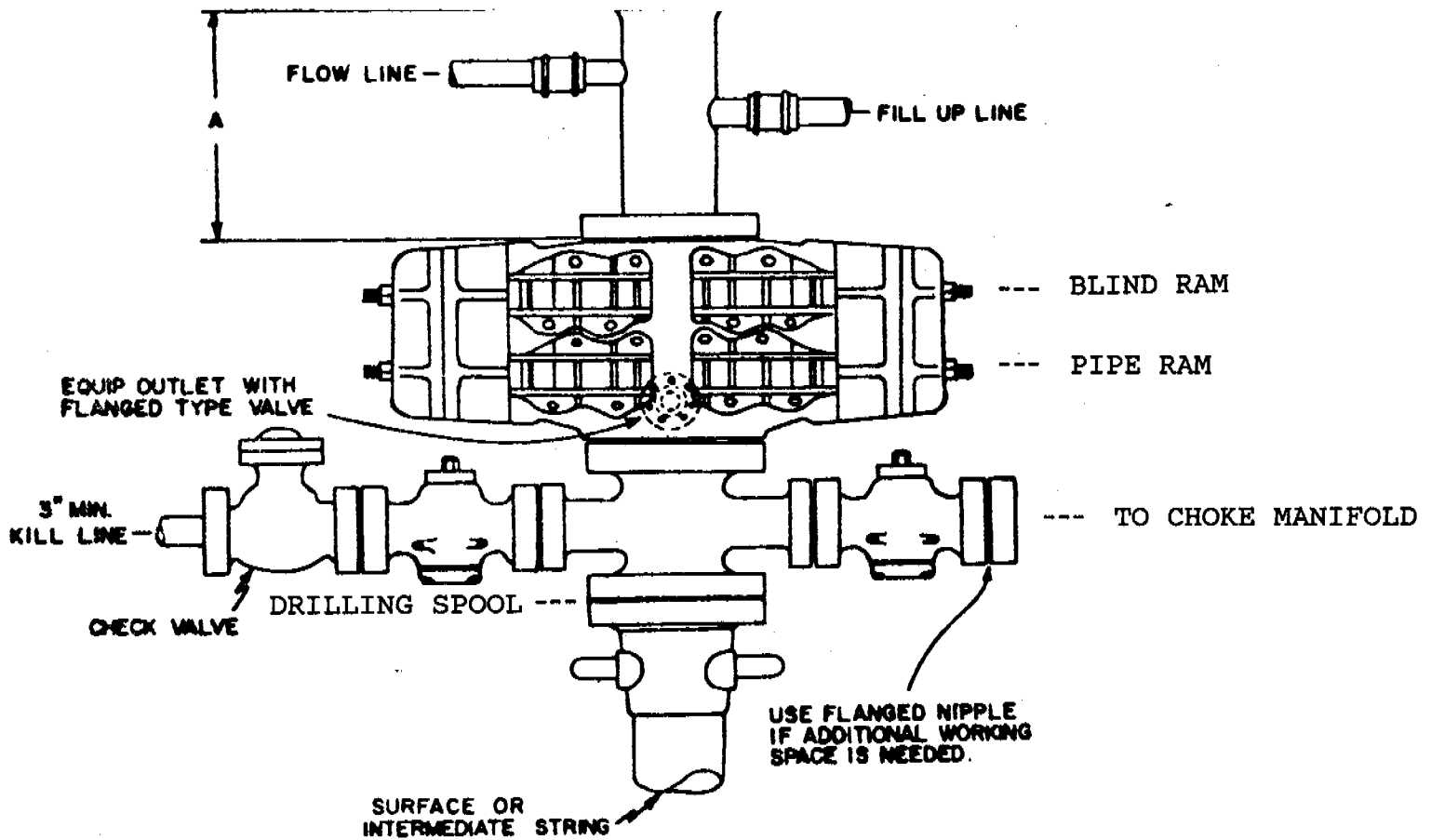
Approval to vent/flare gas during initial well evaluation will be obtained from the Moab District Office. This preliminary approval will not exceed thirty (30) days or fifty (50) MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to the guidelines contained in NTL-4A.

Not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than ninety (90) days, the operator shall notify the Authorized Officer by letter or "Sundry Notice", of the date on which such production has begun or resumed. The notification shall provide as a minimum, the following informational items:

- a. Operator name, address, and telephone number
- b. Well name and number
- c. Well location " $\frac{1}{4}$, $\frac{1}{4}$, Section, Township, Range, P.M."
- d. Date well was placed in a producing status
- e. The nature of the wells production, i.e.: crude oil casing gas, or natural gas and entrained liquid hydrocarbons.
- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, ie.: state or private.
- g. As appropriate, the communitization agreement number, the unit agreement name, number and participating area name.

COCKRELL OIL CORPORATION
Lease #UTU-65949, 1210-2412 #1
NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 24, T12S, R10E
Carbon County, Utah

TYPICAL 2,000 psi WORKING PRESSURE BOP STACK



BOP ACTUATING SYSTEM

- 1) Accumulator capacity will supply 1½ times volume necessary to close all BOP equipment units with a minimum pressure of 203 psi above pre-charge pressure.
- 2) Accumulator back up system, supplied by a secondary power source independent of primary power source, will be provided with sufficient capacity to close all blowout preventers.
- 3) Locking devices will be provided on ram type preventers.
- 4) Primary BOP actuating control will be hydraulic and located either in the dog house or on the rig floor. Back up control will be provided by hand-wheel manual operation of BOP.

CHOKE MANIFOLD

All valves & fittings will be rated at 2000# working pressure.

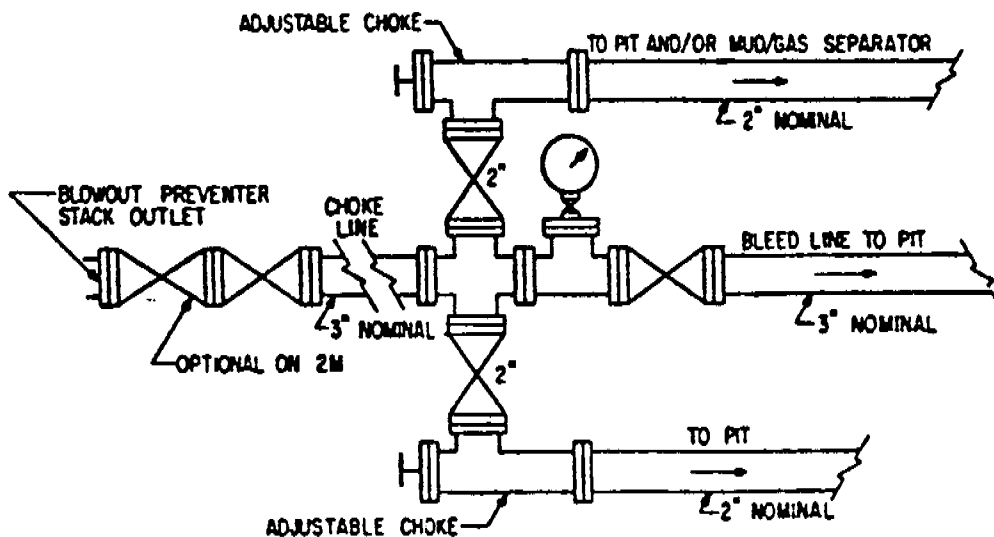


FIG. 3.A.1
TYPICAL CHOKE MANIFOLD ASSEMBLY

COCKRELL OIL CORPORATION
Lease #UTU-65949, 1210-2412 #1
NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 24, T12S, R10E
Carbon County, Utah

Multi-Point Surface Use and Operations Plan

1. Existing Roads: Refer to Maps "A" and "B" (shown in ORANGE)

- A. The proposed well site is staked and two 200-foot reference stakes are present.
- B. To reach the location from the town of Price, Utah; proceed generally north approximately 9.0 miles on U.S. Highway 191, thence generally northeast approximately 7.1 miles on U.S. Highway 191, thence generally east and south approximately 0.8 miles on an existing Carbon County road (crowned & ditched with a gravel surface), thence generally south/southeast approximately 0.5 miles on an existing, upgraded oilfield road (crowned & ditched with a gravel surface), thence generally south approximately 1.0 mile on an existing, upgraded oilfield road (crowned & ditched with a gravel surface), thence generally south/south-east approximately 1.0 mile on an existing two-track trail to the proposed 1210-2404 #1 well location, thence continuing generally south approximately 0.5 miles on an existing two-track trail, thence generally north approximately 600 feet to the proposed 1210-2412 #1 well location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one (1) mile radius - refer to Map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 1.6 miles of new road construction will be required for access to the proposed 1210-2412 #1 well location.

- A. Width - sixteen (16) foot road running surface, flat-bladed for both drilling and completion operations.
- B. Maximum grade - 10%.
- C. Turnouts - turnouts will be constructed on/along the proposed access road route as necessary or required by the Authorized Officer, Bureau of Land Management, in order to provide for the safe passage of traffic.

2. Planned Access Roads: Continued

- D. Drainage design - if commercial production is established at the 1210-2412 #1 well location, the access road will be upgraded and maintained as necessary to prevent soil erosion and accommodate year-round traffic.

The access road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along the access road route. Road construction will be performed in accordance with roading guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.

- E. Culverts, cuts and fills - no culverts will be required for drilling and completion operations.

If commercial production is established at the 1210-2412 #1 well location, water relief culverts (18-inch minimum diameter) will be installed along the access road route as necessary or required to allow for the free flow of water and provide for proper drainage of the access road running surface. These culverts will be installed in accordance with guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.

Cuts and/or fills of approximately three (3) feet are anticipated on/along the proposed access road route.

- F. Surfacing material - none required for drilling and completion operations. If commercial production is established at the 1210-2412 #1 well location, surfacing materials for the access road will be purchased from a local contractor having a permitted source of materials in the area, if necessary or required by the private surface owner.
- G. Gates, cattleguards or fence cuts - one (1) cattleguard will be required along the proposed access road route in a north/south fenceline situated on the section line between Sections 13 and 14 of Township 12 South, Range 10 East.
- H. The proposed road route has been centerline staked.

3. Location of Existing Wells Within a One-Mile Radius:

- A. Water wells - none.

3. Location of Existing Wells Within a One-Mile Radius: Cont.

- B. Abandoned wells - none.
- C. Temporarily abandoned wells - none.
- D. Disposal wells - none.
- E. Drilling wells - none.
- F. Producing wells - SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 11, T12S, R10E. *
SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 11, T12S, R10E. *
SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 14, T12S, R10E. *
SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 14, T12S, R10E. *
NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 14, T12S, R10E. *
- G. Shut-in wells - none.
- H. Injection wells - none.
- I. Monitoring wells - none.

* These wells have been drilled and are currently on pump to lower water pressures in the coal formation to allow desorption of the methane gas trapped therein.

4. Location of Existing and/or Proposed Facilities Owned By Cockrell Oil Corporation Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 11, T12S, R10E. *
SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 11, T12S, R10E. *
SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 14, T12S, R10E. *
SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 14, T12S, R10E. *
NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 14, T12S, R10E. *
- 2. Production facilities - same as Item #4A1, above.
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - none.

* Fiberglass holding tanks for produced water.

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty (20) feet from the toe of the backcut or top of the fill slope.
- 2. Production facilities will require an area approximately 250' X 125'. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval prior to installation.

4. Location of Existing and/or Proposed Facilities Owned By
Cockrell Oil Corporation Within a One-Mile Radius:

B. New Facilities Contemplated - Continued

3. Production facilities will be accommodated on the well pad. Construction materials needed for installation of the production facilities will be obtained from the site; any additional materials which may be needed will be purchased from a local supplier as required.

A dike will be constructed completely around any production facilities containing liquid hydrocarbons (i.e., production tanks, produced water tanks and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 1.5 times the capacity of the largest tank, and be independent of the back cut.

4. All permanent above-the-ground structures, tank batteries, etc. that will remain longer than six months will be painted Carlsbad Canyon (Munsell standard color 2.5Y 6/2). The exception being that Occupation Health and Safety Act Rules and Regulations will be complied with where special safety colors are required.

- C. The production pit will be fenced sheep-tight with woven wire mesh topped with two (2) strands of barbed wire held in place by side posts and wooden corner "H" braces in order to protect livestock and wildlife. Please refer to Item #9E (page #'s 7 & 8) for additional information regarding these fencing specifications.

- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road and any additional areas specified in the approved APD.

- E. Reclamation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding as recommended by the private surface owner.

5. Location and Type of Water Supply:

- A. Produced water from existing coal bed methane wells owned by Cockrell Oil Corporation will be utilized for drilling operations.

5. Location and Type of Water Supply:

- A. Please refer to Item #4A1 (page #3) for the location of these existing well locations. Fresh water which may be required for drilling and/or completion operations will be obtained from Willow Creek at a point located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 10, T12S, R10E. Approval of an Application for Permit to Appropriate Surface Water will be obtained from the office of the Utah State Engineer prior to diversion of any water from Willow Creek.
- B. Water will be transported over existing roads via tank truck from the point of diversion to the proposed 1210-2412 #1 well location. No new road construction will be required on/along the proposed water haul route. No off-lease federal lands will be crossed on/along the proposed water haul route.
- C. No water well will be drilled on this location.

6. Source of Construction Materials:

- A. No construction materials will be needed for well pad construction; surface and subsurface soils will be sufficient. Refer to Item #2F (page #2) for additional information regarding any construction materials which may be required on the access road.
- B. No construction materials will be taken from Federal and/or Indian lands without prior approval from the appropriate Surface Management Agency.
- C. If production is established, any construction materials required for surfacing of the access road and installation of production facilities will be purchased from a local supplier having a previously approved (permitted) source of materials in the area.
- D. No new access roads for construction materials will be required.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the total depth below the original ground level at the lowest point in the pit.

7. Methods of Handling Waste Materials: Continued

- C. Produced fluids - hydrocarbons produced during completion operations will be placed in test tanks on the location. Water produced during completion operations will be put into the reserve pit according to the provisions of Onshore Operating Order #7 (formerly NTL-2B). Any spills of potentially hazardous materials will be cleaned up and immediately removed to an approved waste disposal site.
- D. Sewage - portable, self-contained chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped as necessary, and the contents thereof disposed of at an approved sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during drilling operations and the fencing will be maintained until such time as the pits are backfilled.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Figure #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. A minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil stockpiles.
- B. Figure #1 is a diagram showing the rig layout. No permanent living facilities are planned. There will be four trailers on location: one each for the drilling engineer, geologist, mud logger, and toolpusher.

9. Wellsite Layout: Continued

- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval prior to the commencement of installation operations. Please refer to Item #4B2 (page #3) for additional information in this regard.
- D. We do not anticipate the need for a reserve pit liner at this time. However, if porous subsoil materials (i.e., gravel, sand, fractured rock structures, etc.) are encountered during the course of reserve pit construction, an impervious liner will be installed in order to prevent drilling water loss through seepage.

10. Plans for Reclamation of the Surface:

- A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit has dried. All waste materials will be disposed of immediately upon termination of drilling and completion activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit has dried. For production, the fill slopes will be reduced from a 1.5:1 slope to a 3:1 slope and the cut slopes will be reduced from a 2:1 slope to a 3:1 slope by pushing the fill material back up into the cut.
- B. Upon completion of backfilling, leveling and recontouring, all disturbed surfaces (including the access road and well pad areas) will be scarified (ripped) and the stockpiled topsoil will be evenly spread over the reclaimed area(s). The seedbed will be prepared by disking on the contour to an approximate depth of four (4) to six (6) inches, leaving no depressions that would trap water or form ponds.
- C. All disturbed surfaces (including the access road and well pad areas) will be reseeded using a seed mixture to be recommended by the private surface owner. Seed will be drilled on the contour (or at right angles to the prevailing wind on level areas) with the seed drill set at a depth of one-half (1/2) inch. Fall seeding will be completed after September 1 and prior to ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to June 1.
- D. Three sides of the reserve pit will be fenced during drilling operations and the fourth side will be fenced immediately upon rig removal.

10. Plans for Reclamation of the Surface: Continued

- D. Said fencing will consist of woven wire mesh with two (2) top strands of barbed wire held in place with side posts and wooden corner "H" braces in order to protect livestock and wildlife.
- E. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substance(s) will be flagged overhead or covered with wire mesh in order to protect migrating shorebirds and waterfowl.
- F. Reclamation operations will begin after the drilling rig has been removed. Removal of oil or other adverse substances will begin immediately or the affected area(s) will be flagged and/or fenced. Other clean-up will be done as needed. Re-seeding activities are considered best in the Fall, 1992, unless requested otherwise.

11. Surface Ownership:

That portion of the proposed access road route situated in Section 14, T12S, R10E is located on private surface estate owned by:

Shimmin Trust
c/o Funnon Shimmin
1551 East North Coal Creek Road
Wellington, Utah 84542
Phone: (801) 637-3412

I hereby certify that Cockrell Oil Corporation has reached an agreement with the Shimmin Trust as to the requirements for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof.

That portion of the proposed access road route located in Sections 13, 23 and 24, T12S, R10E and including the proposed well location are situated on private surface estate owned by:

Mathis Land Company
c/o William Dale Mathis
1252 South Fairgrounds Road
Price, Utah 84501
Phone: (801) 637-3768

11. Surface Ownership: Continued

I hereby certify that Cockrell Oil Corporation will enter into "good faith" negotiations with Mathis Land Company in an attempt to reach an equitable agreement with said party as to the requirements for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof. In the event an equitable agreement can not be reached with Mathis Land Company, Cockrell Oil Corporation will comply with the provisions of the law and/or applicable regulations governing the Federal or Indian right of re-entry to the surface (43 CFR 3814).

Date

Robert M. Anderson/Authorized Agent

12. Other Information:

- A. General Description of the Project Area: The project area is situated in east central Utah in an area locally known as Emma Park. This area is classified as a "high plains steppe" (cold desert) and is bounded by the Roan Cliffs to the north, the Book Cliffs to the south, Price Canyon to the west, and the Badland Cliffs to the north-east.

The well location is situated in the uplands directly south of Summit Creek, east of Willow Creek, west of Antoine Creek, and north of Deep Canyon. This area is generally characterized by moderately to severely undulating upland areas which are dissected by numerous, dendritically-patterned ephemeral drainages of Willow Creek and the Price River.

This area exhibits a sparse to moderate vegetation density which is typical of semi-arid areas at elevations above 7,000 feet. Local flora consists of western wheatgrass, mountain brome, prairie junegrass, threadleaf sedge, prickly pear cactus, sagebrush, rabbitbrush, snakeweed, and serviceberry at the lower elevations with oakbrush, mountain mahogany, aspen, juniper, fir and pine trees at the higher elevations and on protected slopes. Local fauna consists of elk, mule deer, antelope, coyotes, rabbits, raptors, and various smaller vertebrate and invertebrate species.

12. Other Information:

A. General Description of the Project Area: Continued

There are no known threatened or endangered species (currently listed) that would be potentially impacted by construction, drilling and/or production operations on the proposed 1210-2412 #1 well location.

B. Surface Use Activities: The primary surface use is for grazing.

C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites:

1. The closest source of permanent water is Willow Creek, located approximately two (2) miles to the west.
2. The closest occupied dwellings are located in the town of Helper, located approximately ten (10) miles to the southwest.
3. If historic or archaeological materials are uncovered, Cockrell Oil Corporation will suspend all operations that might further disturb such materials and immediately contact the Authorized Officer.

Within five (5) working days the Authorized Officer will inform Cockrell Oil Corporation as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

12. Other Information:

C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites: Continued

3. If Cockrell Oil Corporation wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, Cockrell Oil Corporation will be responsible for mitigation costs.

The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, Cockrell Oil Corporation will then be allowed to resume construction.

13. Lessee's or Operator's Representative and Certification:

Representative

Cockrell Oil Corporation
Feldor Hollenshead, Vice President/Drilling & Production
1600 Smith Street, Suite 4600
Houston, Texas 77002-7348
Phone: (713) 651-1271

Heitzman Drill-Site Services*
Dale Heitzman and/or Robert M. Anderson
P.O. Drawer 3579
Casper, Wyoming 82602
Phone: (307) 266-4840

- * Contact for any additional information which may be required for approval of this Application for Permit to Drill.

Certification

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

13. Lessee's or Operator's Representative and Certification:

Certification

Cockrell Oil Corporation will be fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative(s) to ensure compliance.

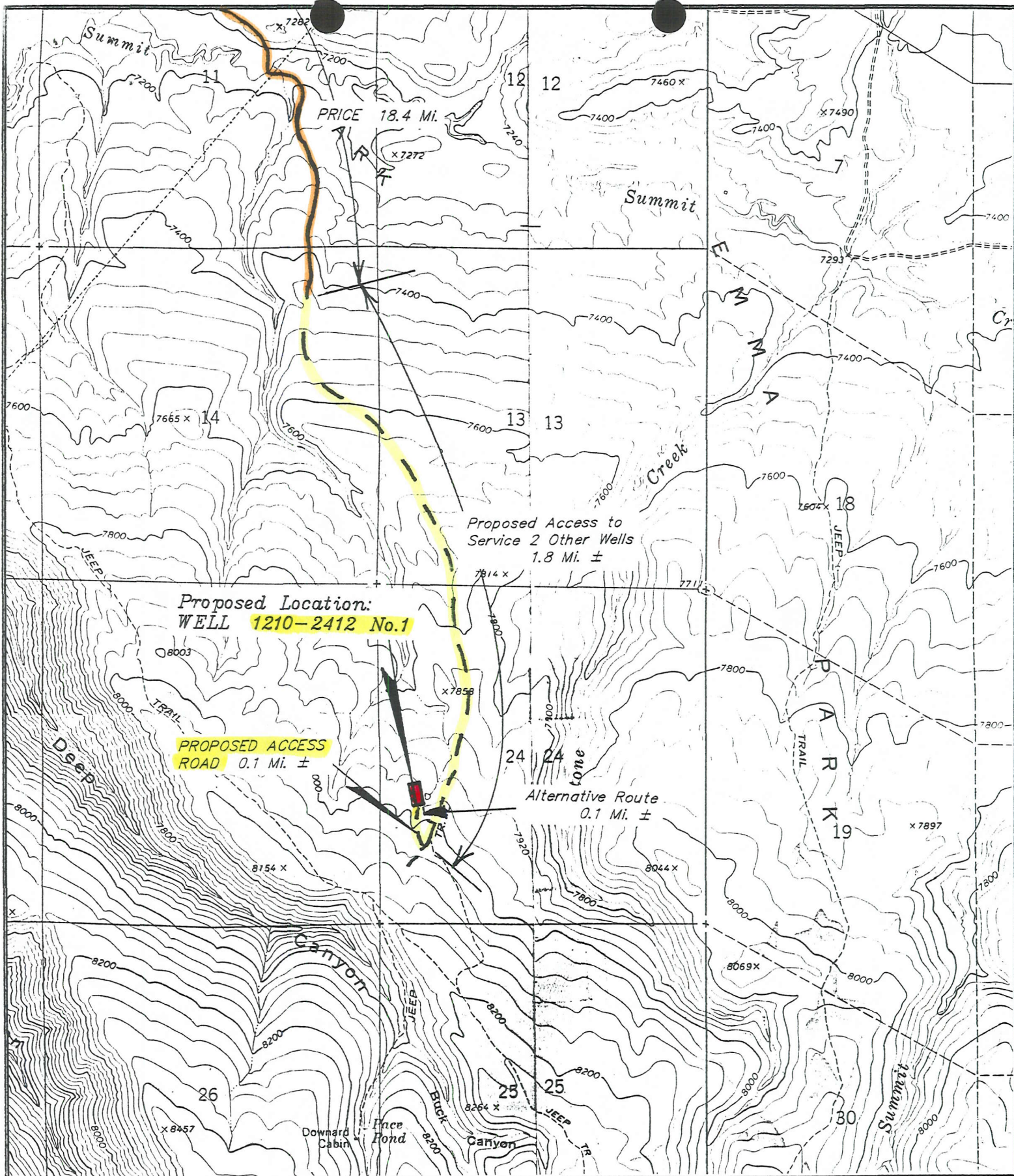
The dirt contractor will be provided with a copy of the Surface Use Plan from the approved Application for Permit to Drill.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Cockrell Oil Corporation, their contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

17 May 1991

Date

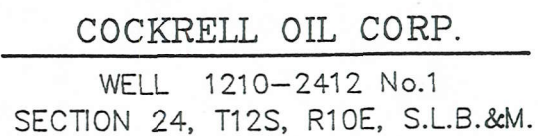

Robert M. Anderson/Authorized Agent



TOPOGRAPHIC
 MAP "B"
 SCALE 1" = 2000'
 DATE: 4-29-91 R.E.H.



COCKRELL OIL CORP.
 WELL 1210-2412 No.1
 SECTION 24, T12S, R10E, S.L.B.&M.



RECEIVED

COCKRELL OIL CORP.

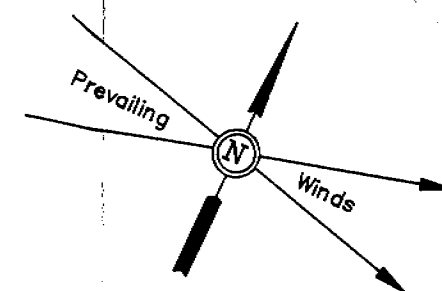
LOCATION LAYOUT FOR

WELL 1210-2412 NO. 1

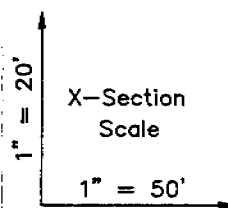
SECTION 24, T12S, R10E, S.L.B.&M.

JUN 03 1991

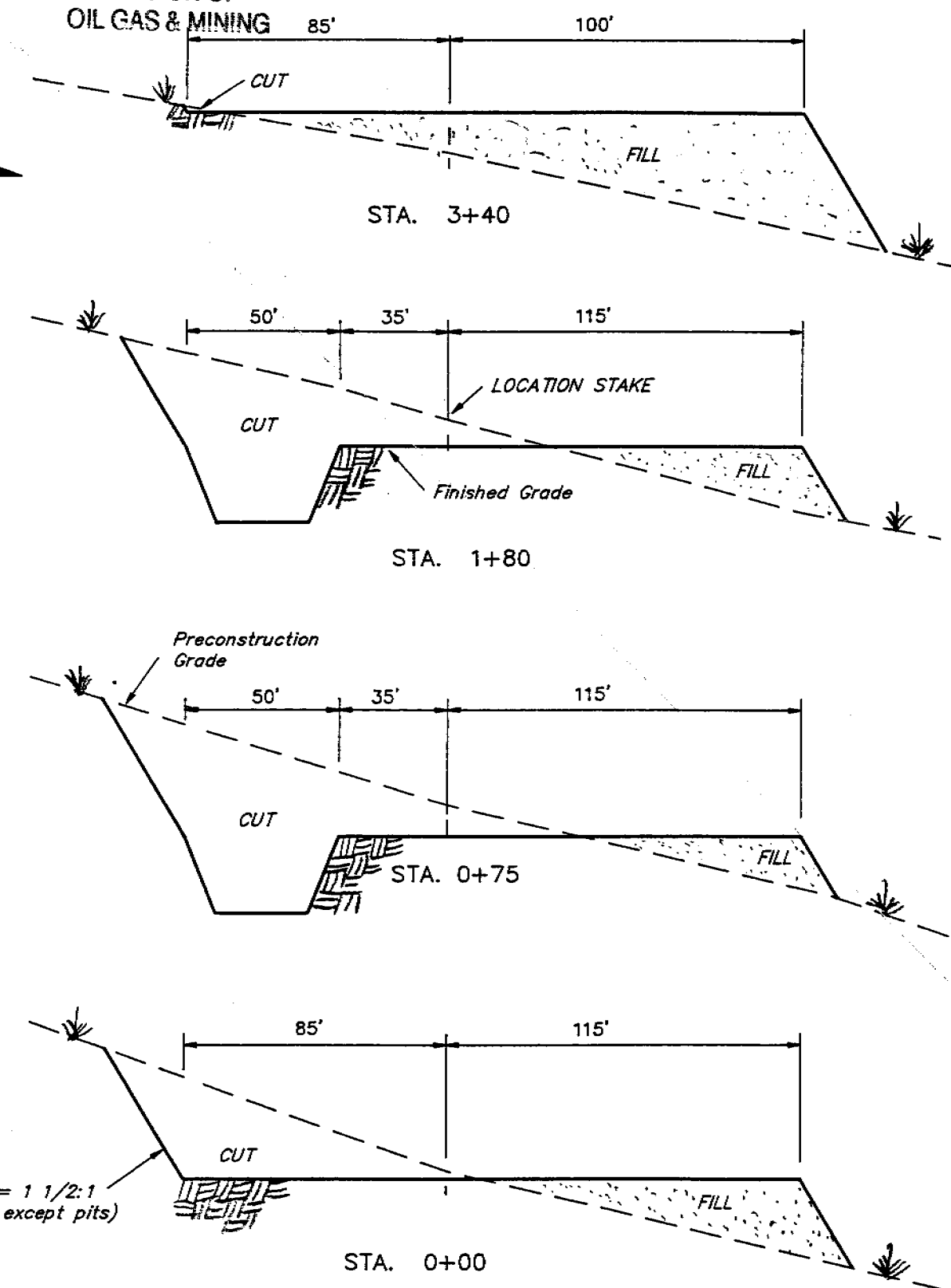
DIVISION OF
OIL GAS & MINING



SCALE: 1" = 50'
DATE: 4-30-91
Drawn By: R.E.H.



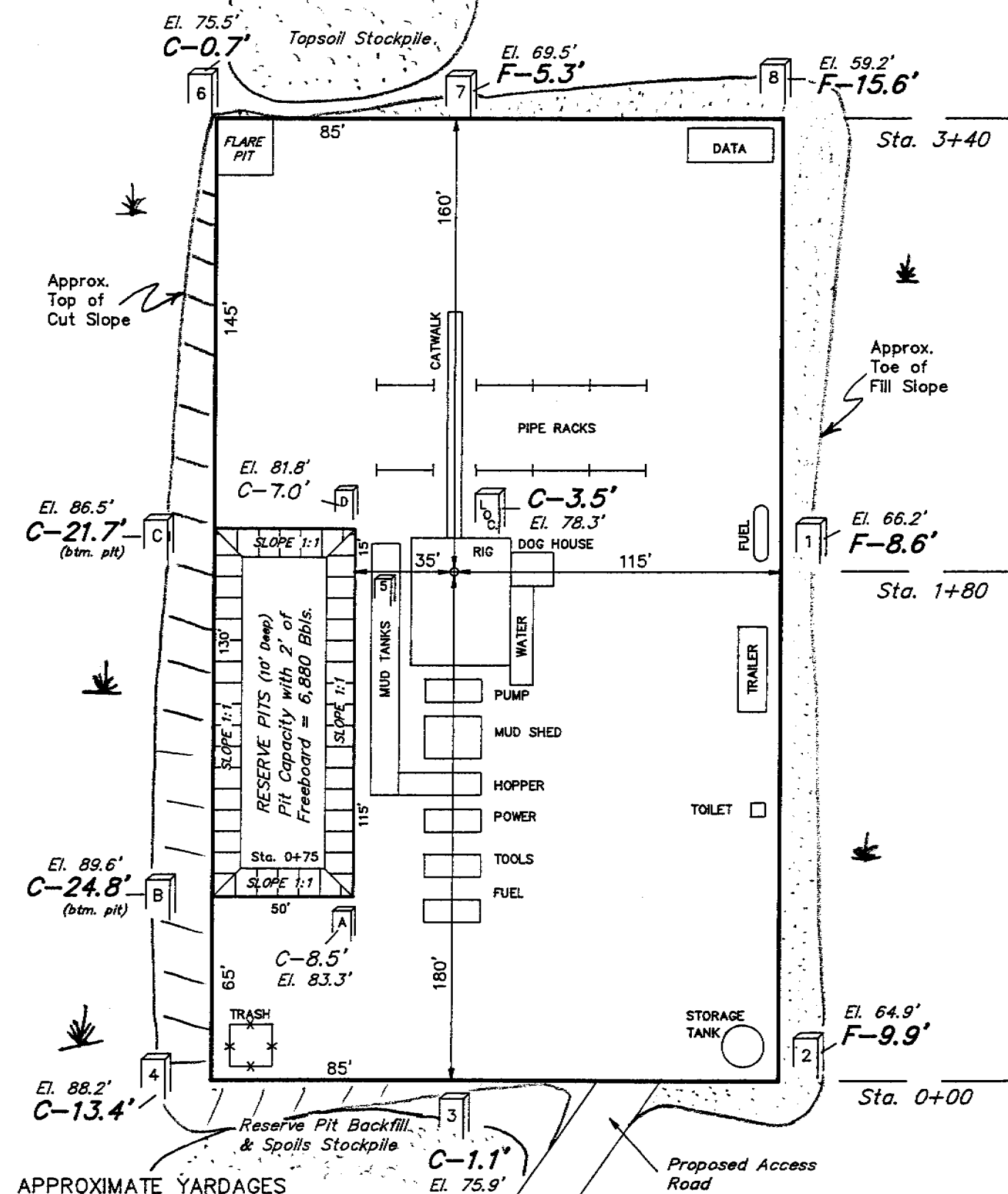
TYP. LOCATION LAYOUT
TYP. CROSS SECTIONS



Slope = 1 1/2:1
(Typ. except pits)

ELEV. UNGRADED GROUND AT LOC. STAKE = 7978.3'
ELEV. GRADED GROUND AT LOC. STAKE = 7974.8'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East Vernal, Utah




APPROXIMATE YARDAGES

CUT (6") Topsoil Stripping	= 1,300 Cu. Yds.	EXCESS MATERIAL AFTER 5% COMPACTION	= 2,210 Cu. Yds.
Remaining Location	= 10,330 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,190 Cu. Yds.
TOTAL CUT	= 11,630 CU.YDS.	EXCESS UNBALANCE (After Rehabilitation)	= 20 Cu. Yds.
FILL	= 8,950 CU.YDS.		

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:
August 1, 1991
4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Acquisition
☐ Land Sale ☐ Land Exchange ☐ Other
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. DESCRIPTION:
Cockrell Oil Corporation proposes to drill the 1210-2412 #1 well (wildcat) on federal lease U-65949, Carbon County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
8. LAND AFFECTED (site location map required) (indicate county)
NW/4, SW/4, Section 24, Township 12 South, Range 10 East, Carbon County, Utah
9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
See Attachment
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT: Frank R. Matthews
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL

DATE: 6-10-91 Petroleum Engineer

WOI187

OPERATOR Cockrell Oil Corp N-1035 DATE 6-26-91

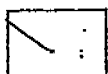
WELL NAME 1010-2412 #1

SEC N10SW 04 T 10S R 10E COUNTY Carroll

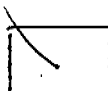
43-007-30139
API NUMBER

Individual (1)
TYPE OF LEASE

CHECK OFF:



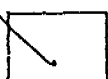
PLAT.



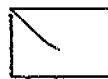
BOND



NEAREST
WELL



LEASE



FIELD
SLOM



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

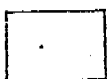
One additional well within the 04
state permit

ROEC 6-10-91

Exemption location

APPROVAL LETTER:

SPACING:



R615-2-3

N/A
UNIT



R615-3-2



N/A
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

Wild life Stips? DWR responded directly
To Cockrell as per
letter 6/25/91.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Timothy H. Provan
Division Director

Southeastern Region
455 West Railroad Avenue
Price, Utah 84501-2829
801-637-3310

11/19/91
cc: Frank Matthews
JUN 27 1991
RECEIVED

June 25, 1991

DIVISION OF
OIL GAS & MINING

Dr. Dianne R. Nielson, Director
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Frank Matthews

Dear Dianne:

We have responded directly to Cockrell Oil Corporation's representatives on the well sites that were listed in the RDCC minutes June 25, 1991 (items 1 through 8). The enclosed letter is our response to a request for wildlife information.

If your personnel need additional information please have them contact

Ken Phippen, Habitat Manager
Southeast Regional Office
455 West Railroad Avenue
Price, Utah 84501
phone 637-3310

Sincerely,

Miles Moretti
Regional Supervisor

cc: Ralph Miles, DWR
Catherine Quinn, DWR
Carolyn Wright, Planning and Budget



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Timothy H. Provan

Division Director

Southeastern Region

455 West Railroad Avenue

Price, Utah 84501-2829

801-637-3310

June 21, 1991

Mr. Robert M. Anderson
Heitzman drill - site services
P.O. Box 3579
Casper, Wyoming 82602

Dear Bob:

I appreciate your letter of May 20 requesting information on your EA for the Castlegate coal bed methane project. After the on-site inspection I do have the following concerns. In general these concerns are mostly related to a full field development.

All locations are located in elk critical/high priority winter range. Elk calving areas are in close proximity as well. This area can be considered mule deer yearlong habitat. Winter and fawning periods are most critical. Sage grouse also inhabit this area. In general the strutting grounds occur on the north side of the Park Road. Areas within a two mile radius of a lek are used for nest/brood habitat from March 15 to June 30. The birds use slopes south of the Park Road during most of the year. I hope to have a map for you shortly.

We recommend that the following guidelines be utilized in planning to protect wildlife use areas from man's disturbance during crucial periods. In all instances, impacts to terrestrial or aquatic ecosystems should be avoided, minimized and/or mitigated.

All water sources in the area are critical value to wildlife. Instream flows necessary to sustain wildlife drinking needs and wetland (mesic meadow, marshland, riparian and riverine and lacustrine body) ecosystems associated with perennial or intermittent drainage ways must be maintained.

The natural dispersion of seeps and springs needs be maintained. Actions resulting in a 50% or more reduction of available daily flow to wildlife should be disallowed. All losses of water need be mitigated and guzzlers represent such an option. Water developments should be constructed such that their surface is at ground level in order to facilitate access for all classes of wildlife. Every trough should incorporate a wildlife escape ramp. Human disturbance within a one-mile radius of perennial water sources or developments should not be permitted between June 1 and

September 30. Outdoor recreation (especially camping), industrial development and mineral exploration have been historic problems.

Activities resulting in depletion of flows to the Colorado River Basin could necessitate a remittance to the U.S. Fish and Wildlife Service for recovery management of endangered fish.

Surface disturbance activities resulting in significant or long term damage to terrestrial habitats or use areas must be reclaimed. Avoidance or minimization of impacts should result whenever practicable. Short term projects -- those that can be revegetated in the first growing season -- exceeding 10 acres disturbance are viewed as being significant and should mandate a mitigation requirement. Lesser sized short term projects would usually only require revegetation and impact avoidance measures. Surface disturbance impacts from any sized project that last beyond the first revegetation period are viewed as being long term and require mitigation. "On site"/"In-kind"/"One-for-one" mitigation is preferred, although "Off-site" and "Out-of-kind" mitigation can be negotiated.

Reclamation projects should occur as soon as practicable following project completion and must be designed to enhance a local area's wildlife habitat. The basic life requirements for animals (food, water, cover and space) should be considered. Revegetation prescriptions must address terrain and soil characteristics, along with adaptability of planted species to the site. Seed purity, viability and planting methodology/timing, as well as local precipitation need be considered. It may be advantageous to protect the planted area from livestock use. At a minimum, a planting should consist of six species each of grasses, forbs and shrubs. The enclosed revegetation prescription is recommended for disturbed sites associated with the project.

Big game species of wildlife require special management consideration in order to protect them from man's facilities. Construction of barriers (fences, pipelines, conveyor systems and canals) that inhibit big game migration must not be allowed. Fence specifications should meet existing criteria for height and design to livestock and local area's big game population. (Methodologies for passage of animals beyond barriers are discussed by Dalton, L.B. 1986. Big Game Passage of Large Diameter Overland Conveyance Systems, in: "Issues and Technology in the Management of Impacted Western Wildlife," proceedings of the February 4-6, 1985 National Symposium. Thorne Ecological Institute, Boulder Colorado.). Fall migration occurs between October 1 and November 30. Spring migration for big game occurs between March 1 and April 30.

Crucial wintering and parturition periods for the area's big game are as follows:

<u>Species</u>	<u>Winter Range</u>	<u>Parturition</u>
Elk	12-1 to 4-15	5-15 to 7-5
Mule Deer	12-1 to 4-15	5-15 to 7-5

When considering the full field development the following guidelines should be considered for raptor species. As a group their nesting season extends from January 1 through August 31. A crucial period is when a nest territory is occupied. Planning dates specific to nesting activity for individual species are as follows (note, bald eagle does not nest and is a winter resident):

Species	Nesting Period	Species	Nesting Period
Turkey vulture	5-15 to 8-15	Barn Owl	4-20 to 7-20
Goshawk	4-15 to 7-20	Screech owl	3-15 to 6-15
Sharp shinned hawk	6-20 to 8-15	Flamulated owl	5-15 to 7-31
Cooper's hawk	5-1 to 8-15	Great horned owl	2-1 to 5-15
Red-tailed hawk	4-10 to 6-30	Pygmy owl	5-15 to 7-31
Swainson's hawk	4-20 to 6-25	Burrowing owl	4-1 to 7-15
Ferruginous hawk	4-10 to 6-15	Spotted owl	3-5 to 6-15
Golden eagle	2-1 to 7-15	Long-eared owl	3-15 to 6-15
Bald eagle (winter use)	11-1 to 3-31	Short-eared owl	4-10 to 6-15
Marsh hawk	5-1 to 6-31	Saw-whet owl	4-1 to 6-31
Osprey	4-15 to 7-15		
Prairie falcon	4-1 to 7-15		
Peregrine falcon	2-1 to 8-31		
Merlin	4-15 to 6-25		
American kestrel	5-1 to 6-30		

Most raptor nests, when active, need a 0.5 mile radius buffer zone protected from human disturbance. Peregrine falcon nests need a one (1) mile radius buffer zone. Also, roost trees and concentration areas for wintering bald eagles, along with one (1) mile radius buffer zone, need to be protected from disturbance between November 1 and March 31. Peregrine aeries need only be protected from human activity in excess of historic use. Recreational trails or roads should not be developed any closer than 200 yards from goshawk nests. If Cockrell plans to initiate or maintain their project during a period when raptor use of their nests is potential, the company would need to encompass a one-half mile buffer adjacent to surface disturbed areas.

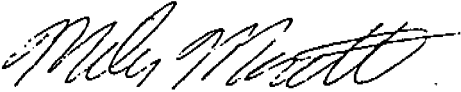
Mature trees with natural cavities and dead snags need to be protected for use by cavity nesting birds. Management activities should be planned so that three such trees/acre are left standing within 500 feet of forest openings or water. Two such trees/acre are needed in dense forested areas.

Road construction (enhancement of existing road or development of new roads) must be minimized. Once the project is complete, new roads need to be closed and reclaimed. Reclamation should be considered for segments of existing road, also.

Bob, the Division is not prepared to recommend specific mitigation at this time. When the degree of impacts is fully identified, we would like an opportunity to review and provide mitigation recommendations. Likely, water developments and road closure will be high on the mitigation list.

Thank you for an opportunity to provide comment.

Sincerely,

A handwritten signature in cursive script, appearing to read "Miles Moretti".

Miles Moretti
Southeastern Regional Supervisor

cc: Ralph Miles, DWR
Mark Bailey, BLM

Enclosure

Recommended guidelines for seedbed preparation and planting techniques in the MONTANE ecological association.

- A. Seedbed Preparation: (1) Disturbed areas should be double ripped. (2) Fertilizer (0-16-8) at a rate of 100 lb/acre should be disked into the topsoil mass prior to seeding. (3) Where possible, the grass segment of the seed mix should be drilled. The remainder of the seed mix should be hydrosprayed in a slurry containing tackifier (60 lb/acre) and wood fiber mulch (400 lb/acre). Seed mix applied by hydrospray technique should be increased by 1.5 times. This first application containing seed should be immediately followed by another hydrosprayed slurry to incorporate more tackifier (60 lb/acre), more wood fiber mulch (2,000 lb/acre), and nitrogen fertilizer (33-0-0 distributed at a rate of 100 lb/acre). (3a) If a hydrospray technique is not utilized, the seed mix should be drilled. (3b) If broadcast, the seed mix should be doubled, spread, and covered through use of a harrow or chain. (4) After seed application (3a or 3b), nitrogen fertilizer (33-0-0 distributed at a rate of 100 lb/acre) should be broadcast and an acceptable mulch should be applied at a rate of 2,000 lb/acre to protect raw soil from erosion and to conserve moisture. Mulch should be held in place by tackifying, crimping, or netting. (5) Seeding should occur following a permanent killing frost which is usually after October 1.
- B. Nursery Stock or Transplants: Planting of nursery or transplant stock should occur in spring when soil moisture is greatest. Nursery stock should be planted after dormancy breaks; greatest success for transplant stock is achieved during dormancy. Shoots spaced 2, 3, 4, 6, 10, 12, 13, and 15 feet apart will achieve 10888, 4840, 2722, 1210, 436, 302, 258, and 193 plants per acre, respectively. A 60% canopy cover is the goal. All plantings need to have soil compacted around the roots.
- C. Cuttings of Woody Riparian Species (willow, cottonwood, etc.): Cut stems at a length of 12 to 18 inches from 1-3 year old local, wild stock (0.5 to 1.0 inch diameter) with a 30-45° angle on basal end. Lateral branches and leaves must be removed. Cuttings can be immediately transplanted or if cut in winter cold stored in snow filled bags until the ground thaws. The basal end can be dipped in indolebutyric acid prior to planting to aid in root formation. When planting, all but one inch of the stem should be extended into the moist soil to a depth of the water table. This will protect recreators from inadvertent injury. Dormant logs (1.5 to 6 inches diameter and up to 20 feet long) can also be used for many species as long as the water table is reached.
- D. Bare-root or Containerized Plants: Prior to planting, bare-root or containerized plants should be stored at 34-39° F for one week to "harden". Planting should be in an adequately sized hole to insure that roots are well distributed and extending full length into the hole. For bare-root and containerized stock, care needs to be taken that the root hairs are not allowed to dry. The outer edge of the root mass for containerized stock should be scarified to alleviate root binding.
- E. Plugs: Plugs of vegetation can be excavated with a shovel or front-end loader. They should be handled such that moist soil remains packed firmly around the roots. A similar sized hole needs to be excavated and the plug planted.
- F. Rhizomic Plants: Woody plants with interconnected root stock should be located and excavated intact. The tops of plants should be removed so that only one remains. Connecting roots should be aligned vertically and buried. In the instance of herbaceous plants, rhizomes can be harvested with a front-end loader, and distributed with a manure spreader. A one inch layer of top soil should be compacted over plantings.

Table 1. Revegetation prescription for disturbed areas within the ASPEN ecosystem in the MONTANE ecological association.^{1,7}

Plant Material	Pounds of Pure Live Seed/Acre
GRASS SPECIES²:	
Mountain brome (<u>Bromus carinatus</u>)	2.0
Smooth brome (<u>Bromus inermis</u>)	1.0 (southern variety)
Paiute orchardgrass (<u>Dactylis glomerata</u>)	0.5
Intermediate wheatgrass (<u>Agropyron intermedium</u>)	1.0
Kentucky bluegrass (<u>Poa pratensis</u>)	0.2
Meadow foxtail (<u>Alopecurus pratensis</u>)	0.5
FORB SPECIES³:	
Alfalfa (<u>Medicago sativa</u>)	1.0 (Ladak, Nomad, Spreader)
Porter licoriceroot (<u>Ligusticum porteri</u>)	1.0
Rockymountain penstemon (<u>Penstemon strictus</u>)	0.5
Silky lupine (<u>Lupinus sericeus</u>)	1.0
Pacific aster (<u>Aster chilensis</u>)	0.2
Sweet anise (<u>Osmorhiza occidentalis</u>)	1.0
SHRUB AND TREE SPECIES⁴:	
Antelope bitterbrush (<u>Purshia tridentata</u>)	0.5
Mountain snowberry (<u>Symphoricarpos oreophilus</u>)	2.0
Mountain big sagebrush (<u>Artemisia tridentata vaseyana</u>) ⁶	0.25 (20% purity)
Silver sagebrush (<u>Artemisia cana viscidula</u>) ⁶	0.5 (20% purity)
Woods rose (<u>Rosa woodsii</u>)	1.0
Red elderberry (<u>Sambucus racemosa</u>)	1.0 (uncleaned)
TOTAL :	15.15
NURSERY OR TRANSPLANT STOCK⁵:	
Quaking aspen (<u>Populus tremula</u>)	STEMS/ACRE (SPACING)
Bigtooth maple (<u>Acer saccharum grandidentatum</u>)	1,210 per acre (6 ft apart)
Mountain ash (<u>Sorbus scopulina</u>)	436 per acre (10 ft. apart)
	436 per acre (10 ft. apart)

¹Note attachment: Recommended guidelines for seedbed preparation and planting techniques in the MONTANE ecological association.

²Alternate grass species: Basin wildrye (Elymus cinereus), Bearded wheatgrass (Agropyron trachycaulum), Thurber fescue (Festuca thurberi), Foxtail barley (Hordeum jubatum)

³Alternate forb species: Gray aster (Aster glaucodes), Showy goldeneye (Helimeris multiflora), Cicer milkvetch (Astragalus cicer), Lobeleaf groundsel (Senecio multilobatus), American vetch (Vicia americana), Mountain goldenrod (Solidago multiradiata - collected)

⁴Alternate shrub and tree species: Shrubby cinquefoil (Potentilla fruticosa), Saskatoon serviceberry (Amelanchier alnifolia), Wax currant (Ribes cereum), White rubber rabbitbrush (Chrysothamnus nauseosus hololeucus)⁶, Blue elderberry (Sambucus cerulea), Bigtooth maple (Acer saccharum grandidentatum)

⁵Alternate nursery or transplant stock: Willow (Salix spp.), Rocky mountain maple (Acer glabrum)

⁶This species should not be covered. It should be hydrosprayed in the seed mix slurry or broadcast over the surface after drilling or covering of other seed and before application of mulch.

⁷For regeneration of aspen stands it is recommended that remnant aspen clones be ripped with a chisel toothed tool to break up the rhizomatous structures. This should stimulate adventitious sprouting of aspen from the rhizomes.

Table 1. Revegetation prescription for disturbed areas within the RIPARIAN WETLAND ecosystem in the MONTANE ecological association.

Plant Material	Pounds of Pure Live Seed/Acre
GRASS SPECIES²:	
Reed canarygrass (<u>Phalaris arundinaceae</u>)	0.5
Timothy (<u>Phleum pratense</u>)	0.5
Kentucky bluegrass (<u>Poa pratensis</u>)	0.2
Regar brome (<u>Bromus biebersteinii</u>)	1.0
Meadow fescue (<u>Festuca pratensis</u>)	1.0
Basin wildrye (<u>Elymus cinereus</u>)	1.0
Streambank wheatgrass (<u>Agropyron dasystachyum riparium</u>)	1.0
FORB SPECIES³:	
Strawberry clover (<u>Trifolium fragiferum</u>)	1.0
Richardson geranium (<u>Geranium richardsonii</u>)	1.0
Pacific aster (<u>Aster chilensis</u>)	0.2
Western yarrow (<u>Achillea millefolium lanulosa</u>)	0.1
Silky lupine (<u>Lupinus sericeus</u>)	1.0
Showy goldeneye (<u>Helianthus multiflorus</u>)	1.0
SHRUB AND TREE SPECIES⁴:	
Silver sagebrush (<u>Artemisia cana</u>) ⁶	0.5
Blue elderberry (<u>Sambucus caerulea</u>)	2.0 (uncleaned)
Red raspberry (<u>Rubus idaeus</u>)	1.0
Woods rose (<u>Rosa woodsii</u>)	1.0
TOTAL	14.0
NURSERY OR TRANSPLANT STOCK⁵:	
Willow (<u>Salix</u> spp.)	STEMS/ACRE (spacing) 1,210 (6 ft. apart) placed at high water line
Narrowleaf cottonwood (<u>Populus angustifolia</u>)	436 (10ft. apart) evenly distributed
Thinleaf alder (<u>Alnus incana occidentalis</u>)	436 (10 ft. apart) evenly distributed
Beaked sedge (<u>Carex rostrata</u>)	10,888 (2 ft. apart) plugs cut from local stock and planted in moist areas

¹Note attachment: Recommended guidelines for seedbed preparation and planting techniques in the MONTANE ecological association.

²Alternate grass species: Sheep fescue (Festuca ovina), Rough-stalked bluegrass (Poa trivialis), Smooth brome (Bromus inermis - northern variety), Intermediate wheatgrass (Agropyron intermedium)

³Alternate forb species: Idaho licoriceroot (Ligusticum tenuifolium), Mountain bluebells (Mertensia ciliata - collected), Wasatch penstemon (Penstemon cyananthus), Strawberry clover (Trifolium fragiferum)

⁴Alternate shrub and tree species: Currant (Ribes spp.), Common chokecherry (Prunus virginiana), Raspberry (Rubus spp.), Red elderberry (Sambucus racemosa)

⁵Alternate nursery or transplant stock: Water birch (Betula occidentalis), Red-osier dogwood (Cornus stolonifera), Mountain sedge (Carex scopulorum)

⁶This species should not be covered. It should be hydrosprayed in the seed mix slurry or broadcast over the surface after drilling or covering of other seed and before application of mulch.

Table 1. Revegetation prescription for disturbed areas within the SAGEBRUSH/GRASS ecosystem in the MONTANE ecological association.

Plant Material	Pounds of Pure Live Seed/Acre
GRASS SPECIES²:	
Intermediate wheatgrass (<u>Agropyron intermedium</u>)	1.0
Slender wheatgrass (<u>Agropyron trachycaulum</u>)	2.0
Hard sheep fescue (<u>Festuca ovina</u>)	0.5
Regar brome (<u>Bromus biebersteinii</u>)	1.0
Kentucky bluegrass (<u>Poa pratensis</u>)	0.2
Paiute orchardgrass (<u>Dactylis glomerata</u>)	0.5
FORB SPECIES³:	
Alfalfa (<u>Medicago sativa</u>)	1.0 (Ladak, Nomad, Spreader)
Northern sweetvetch (<u>Hedysarum boreale</u>)	1.0
Common sainfoin (<u>Onobrychis viciifolia</u>)	1.0
Pacific aster (<u>Aster chilensis</u>)	0.2
Eaton penstemon (<u>Penstemon eatonii</u>)	0.5
Rockymountain penstemon (<u>Penstemon strictus</u>)	0.5
SHRUB AND TREE SPECIES⁴:	
Mountain big sagebrush (<u>Artemisia tridentata vaseyana</u>) ⁶	0.25 (20% purity)
Basin big sagebrush (<u>Artemisia tridentata tridentata</u>)	0.25
Mountain snowberry (<u>Symphoricarpus oreophilus</u>)	1.0
Wax currant (<u>Ribes cereum</u>)	1.0
TOTAL	11.9
NURSERY OR TRANSPLANT STOCK⁵:	
Shrubby cinquefoil (<u>Potentilla fruticosa</u>)	STEMS/ACRE (SPACING)
Wax currant (<u>Ribes cereum</u>)	Plant 544 of each species per acre
Mountain snowberry (<u>Symphoricarpus oreophilus</u>)	randomly spaced 4 feet apart to
	reach a goal of 2,722 stems/acre.

¹Note attachment: Recommended guidelines for seedbed preparation and planting techniques in the MONTANE ecological association.

²Alternate grass species: Bluebunch wheatgrass (Agropyron spicatum), Thickspike wheatgrass (Agropyron dasystachyum), Pubescent wheatgrass (Agropyron intermedium trichophorum), Smooth brome (Bromus inermis-southern variety)

³Alternate forb species: Oneflower sunflower (Helianthella uniflora), Palmer penstemon (Penstemon palmeri), Cicer milkvetch (Astragalus cicer), Silky lupine (Lupinus sericeus), Porter licoriceroot (Ligusticum porteri)

⁴Alternate shrub and tree species: Antelope bitterbrush (Purshia tridentata), Saskatoon serviceberry (Amelanchier alnifolia), Gooseberry currant (Ribes montigenum)

⁵Alternate nursery or transplant stock: Antelope bitterbrush (Purshia tridentata), Utah serviceberry (Amelanchier utahensis), Squaw-apple (Peraphyllum ramosissimum), Greenleaf manzanita (Arctostaphylos patula), Basin big sagebrush (Artemisia tridentata tridentata)

⁶This species should not be covered. It should be hydrosprayed in the seed mix slurry or broadcast over the surface after drilling or covering of other seed and before application of mulch.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 10, 1991

Cockrell Oil Corporation
1600 Smith Street, Suite 4600
Houston, Texas 77002-7348

Gentlemen:

Re: 1210-2412 #1 Well, 2102 feet from the South line, 531 feet from the West line, NW SW, Section 24, Township 12 South, Range 10 East, Carbon County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-2, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

In addition, the following actions are necessary to fully comply with this approval:

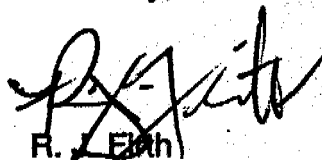
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
Cockrell Oil Corporation
1210-2412 #1
July 10, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-007-30139.

Sincerely,



R. J. Elth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-10

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐
SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR
Cockrell Oil Corporation

3. ADDRESS OF OPERATOR
1600 Smith Street, Suite 4600, Houston, Texas 77002-7348

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

2102' FSL, 531' FWL (NW $\frac{1}{4}$ SW $\frac{1}{4}$) Section 24, T12S, R10E
At proposed prod. zone
Same As Above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately Ten (10) Miles Northeast of Helper, Utah

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 531'

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 2332.09'

19. PROPOSED DEPTH
3950'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7978' GR

22. APPROX. DATE WORK WILL START*
August 1, 1991

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" WC-50	23.0#	0- 400'	385 sx Circulated to Surface *
7-7/8"	5-1/2" WC-70	17.0#	0-3950'	410 sx Cement

* Cement volumes may change due to hole size.
Calculate from Caliper log.

EIGHT-POINT RESOURCE PROTECTION PLAN ATTACHED.

I hereby certify that Cockrell Oil Corporation is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the 1210-2412 #1, Federal Lease # UTU-65949. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Cockrell Oil Corporation, Statewide Bond # UT-0794, who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application for Permit to Drill.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Felder Hollenshead TITLE Vice-President DATE May 14, 1991
(This space for Federal or State office use)

PERMIT NO. _____
APPROVED BY 151 A. Lynn Jackson TITLE ACTING Assistant District Manager for Minerals DATE SEP 10 1991
CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T12S, R10E, S.L.B.&M.

COCKRELL OIL CORP.

Well location, WELL 1210-2412 No.1, located as shown in the NW 1/4 SW 1/4 of Section 24, T12S, R10E, S.L.B.&M. Carbon County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP IN THE SW 1/4 NE 1/4 OF SECTION 11, T12S, R10E, S.L.B.&M. TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP). PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7282 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Lippert
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 4-30-91
PARTY D.A. R.A. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE COCKRELL OIL CORP.

N89°06'W - 40.93 (G.L.O.)

N89°30'W - 40.23 (G.L.O.)

N0°34'W - 41.08 (G.L.O.)

N0°55'E - 40.67 (G.L.O.)

N0°29'E - 41.10 (G.L.O.)

N0°52'E - G.L.O. (Basis of Bearings)
2700.58' - (Measured)

Brass Cap N89°20'59"W - 2659.97' (Meas.)

N89°33'W - 40.01 (G.L.O.)

Brass Cap

24

WELL 1210-2412 No.1
Elev. Ungraded Ground = 7978'

531'

2102'

Brass Cap

▲ = SECTION CORNERS LOCATED. (Brass Caps)

Cockrell Oil Corp.
Well No. 1210-2412 #1
NWSW Sec. 24 , T. 12 S., R. 10 E.
Carbon, County, Utah
Lease U-65949

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Cockrell Oil Corp., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0794 (Principal - Cockrell Oil Corporation) via surety consent as provided for in 43 CFR 3104.3.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. A one-time, 90 day extension of this period may be granted. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Daily drilling and completion progress reports shall be submitted to the District office on a weekly basis.

Surface casing shall be set in a competent zone of the North Horn Formation, and shall be equipped with a centralizer on each of the bottom three joints.

The BLM shall be kept apprised of all fluids entering or leaving the pit, through either weekly drilling reports or a final status report, submitted with the completion report. Either of which shall be submitted prior to reclamation of the pits.

No trivalent or hexavalent chromate additives shall be used in the mud system. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.

A cement bond log (CBL) shall be run on both casing strings on the first federal well drilled within this project. Depending on the results, CBLs may be required to be run on the remaining federal wells. This log shall be promptly submitted to the BLM, District Office following logging operations.

BOP systems will be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary), and annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded on the daily drilling report.

Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

When the completion program is determined, a sundry notice describing the completion shall be submitted to this office for approval.

Should the well become productive, the BLM, District Office must be notified no later than five business days after production begins. Notification shall be by letter or sundry notice, or orally to be followed by a letter or sundry notice.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 Mmcf following its completion, whichever comes first, without prior written approval of the Authorized Officer.

CONDITIONS OF APPROVAL

Application for Permit to Drill

EA LOG No: UT-066-91-21
Lease No. UTU-65949 & UTU-65948
Project: Seven Well Exploration Program
Location: Carbon County, Utah
Applicant: Cockrell Oil Corporation
Address: Houston, Texas
BLM Office: Moab District
Telephone: 801-259-6111

I. Access Conditions

1. Existing roads and trails will be upgraded only to allow for adequate drainage measures. Any damage caused to roads during the project will be repaired.
2. Prior to construction of the new access road, an on-site analysis will be conducted to flag the exact route and establish design criteria. The route will be located as identified under proposed action in the EA.
3. Design criteria will be established to meet requirements of BLM's class III road system. Any road will have a maximum travel surface of 18 feet. Total disturbed width will be limited to 25 feet. (Copy of class three road standards is attached.)
4. The Price River Resource Area Manager will be notified at least 48 hours prior to any surface disturbing activities associated with access road and drill pad construction.
5. Dust control on all portions of the route will be required during project construction and during well drilling and may be necessary later if the project reaches economic production.
6. During inclement weather when activity could result in deep rutting of the roads (6 inches or more), or excessive disturbance of the right-of-way, a stop work order may be verbally issued by the Area Manager with a follow-up written order. An authorization to resume work will be required.
7. Flow measurements are to be taken at the head of each produced water discharge line and at each junction and/or discharge point, whether for surface or underground discharge. These will be recorded every 72 hours or more often when necessary, and this data summarized and reported monthly to BLM-PRRA. Any incidence of flow data discrepancy is to be reported to the State Division of Environmental Health and the Price River Resource Area within 48 hours, and resolved within 12 hours of discovery.

8. Summarized results of all analyses of produced water will be sent to the Price River Resource Area, preferably on a monthly basis initially. This is to include baseline data already gathered.

9. Plans will be formulated for long term monitoring of aquifers and springs in the area of proposed development to assess any cumulative impacts that may trigger the need for an Environmental Impact Statement.

10. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager for Minerals. Safe drilling and operating practice must be utilized at all times. All wells, whether drilling, producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43CFR 3162.6.

11. "Sundry Notice and Report on Wells" (form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43CFR 3162.6.

12. The dirt contractor will be provided with an approved copy of the surface use plan.

13. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed before approval may be granted for any future operations.

Note: From here each APD should have the well specific wildlife conditions of approval attached.

Also the attached "Resource Roads Survey and Design" should be given to the applicant or deleted from the conditions of approval #3.

NW 1/4 Sec. 24, T. 12 S., R. 10 E.
Well No. 1210-2412
Cockrell Oil Corporation
Lease Status: Federal (U-65949)
Surface Ownership: Private

Proposed Development: Well Pad, 1.5 mi. new access road, 500 ft. new access road.

Lease Stipulations:

1. High Country Watershed

Wildlife Issues:

Mule deer and elk winter range

Sage grouse nesting/brood rearing habitat

Active Redtail Hawk Nest

MFP Requirements:

No surface disturbance from 11-1 to 5-15

No surface disturbance from 3-15 to 7-31

No occupancy on strutting grounds

No surface disturbance within 1/2 mile during nesting period

Wildlife Conditions of Approval

1. In order to protect sage grouse nesting/brood rearing, wintering mule deer and elk; exploration, drilling and other development activity will be allowed only during the period from 7-1 through 11-1.
2. No surface occupancy or other surface disturbance within 330 feet of the center line of perennial streams or within 660 feet of springs.
3. Shift proposed access route away from crest of ridge in T. 12 S., R. 10 E., Sec. 23 SESE to increase screening from redtail hawk nest.
4. Allow no construction on access road in T. 12 S., R. 10 E., Sec. 24 SWSW until after nesting period for Redtail nest (March 1 through July 15).
5. Participate in development and implementation of an offsite mitigation plan to minimize long term impacts to wildlife.

B. SURFACE USE PLAN

1. The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

2. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.

3. A cultural resource clearance will be required before any construction begins. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

4. The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. As soon as the reserve pit has dried all areas not needed for production will be rehabilitated.

5. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the Area Manager in advance.

6. Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations.

7. If the well is productive, cattle guards will be installed on the access road at fence crossings. The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

8. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines and valves will be placed inside the berm surrounding the tank battery.

9. All permanent (on-site for six (6) months or longer) structures constructed or installed (including oil well pumping units) shall be painted a flat, nonreflective, earth tone color to blend with the local environment, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities shall be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors shall be coordinated with the Price River Resource Area office prior to initiating painting.

10. All off-lease storage, off-lease measurement, or commingling (on-lease or off-lease) shall have prior written approval from the Assistant District Manager.

11. Pipeline construction activity is not authorized under this permit.

12. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.

13. Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

14. If at any time the facilities located on public land authorized by the terms of the lease are no longer included in the lease (due to contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer (AO).

C. REQUIRED NOTIFICATIONS AND APPROVALS

Required verbal notifications are summarized in Table 1, attached.

Spud- Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District office within twenty-four (24) hours after spudding (regardless of whether spud was made with a dry hole digger or big rig). If the spudding occurs on a weekend or holiday, the written report will be submitted on the following work day.

Undesirable Events/Immediate Reports- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and /or gas) will be submitted when requested by the Assistant District Manager.

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Venting/Flaring of Gas- NTL-4A allows venting/flaring of gas during the initial well evaluation period not to exceed 30 days or 50 Mmcf. Venting/flaring beyond the initial test period threshold must be approved by the District Office.

NOTIFICATIONS

Notify Don Stephens of the Price River Resource Area, at
(801) 637-4584 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

50 feet prior to reaching surface casing depth;

3 hours prior to testing of BOP's and surface casing.

If the person at the above number cannot be reached, then notify Fred Oneyear in the Moab District Office at (801) 259-6111 or at home (801) 259-5937 (If unsuccessful, then notify one of the following people listed below).

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerals Division. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Eric Jones, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hours please call the following:

Lynn Jackson, Office Phone: (801) 259-6111
Chief, Branch of Fluid Minerals

Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

RECEIVED

TEMPORARY

RECEIVED

**FILING FOR WATER IN THE
STATE OF UTAH**

NOV 13 1991

OCT 28 1991

OCT 21 1991

Rec. by SS
Fee Rec. 30.00
Receipt # 31932
Microfilmed _____
Roll # _____

DIVISION OF
OIL GAS & MINING

WATER RIGHTS
SALT LAKE

WATER RIGHTS

APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

*WATER RIGHT NO. 91 - 4819 *APPLICATION NO. A T65703

1. *PRIORITY OF RIGHT: October 21, 1991 *FILING DATE: October 21, 1991

2. OWNER INFORMATION
Name(s): Cockrell Oil Corporation *Interest: _____ %
Address: 1600 Smith Suite 4600
City: Houston State: Texas Zip Code: 77002
Is the land owned by the applicant? Yes _____ No X (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: Existing Underground cfs and/or 3.0 ac-ft.

4. SOURCE: Exploratory Wells *DRAINAGE: _____
which is tributary to _____
which is tributary to _____
POINT(S) OF DIVERSION: _____ COUNTY: Carbon
See Attachment #1

Description of Diverting Works: 5 1/2 inch casing, 4425 ft. to 4667 ft. deep
*COMMON DESCRIPTION: 10 miles NE of Helper Matts Summit Quad

5. POINT(S) OF REDIVERSION
The water will be rediverted from _____ at a point:
N. 550 ft. & E. 1950 ft. from SW Cor. Sec. 11, T12S, R10E, SLB&M.

Description of Diverting Works: Portable pump to tank truck

6. POINT(S) OF RETURN
The amount of water consumed will be _____ cfs or 3.0 ac-ft.
The amount of water returned will be _____ cfs or _____ ac-ft.
The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE
Reservoir Name: See Attachment #1 Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet
Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

Appropriate

8. List any other water rights which will supplement this application _____

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From Oct. 5, 1991	to May 31, 1992

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Drilling of coalbed methane wells and a water disposal well,
Road Construction and Maintenance.

11. PLACE OF USE

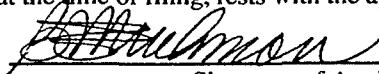
Legal description of place of use by 40 acre tract(s): See Attachment #2

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of the same size if necessary):

Cockrell intends to drill the wells mentioned in Attachment #2 and requests permission to use the water produced from the 5 Shimmin Trust Wells for this purpose. The water is produced with methane gas from Mesaverde coals. This water is not tributary to any stream system; but, is confined in the coal beds until produced. Cockrell has leased the right for this operation from the owner.
Supplemental with Temporary Change Application #t91-91-09.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).



B. E. Weichman, Special Projects Manager

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its authorized agent, or in the name of the partnership by one of the partners.

Authorized Agent (please print)

Authorized Agent (signature)

Attachment #1

Attachment to
APPLICATION TO APPROPRIATE WATER

Owner: Cockrell Oil Corporation
1600 Smith - Suite 4600
Houston, Texas 77002-7348
Phone: (713) 651-1271

- Item #4
1. Shimmin Trust #1 located 793 feet from the south line and 780 feet from the east line of Sec. 11, T12S, R10E. Drilled to a depth of 4,667 feet with 5-1/2" casing set to total depth.
 2. Shimmin Trust #2 located 1980 feet from the north line and 800 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,650 feet with 5-1/2" casing set to total depth.
 3. Shimmin Trust #3 located 1980 feet from the north line and 1780 feet from the west line of Sec. 14, T12S, R10E. Drilled to a depth of 4,425 feet with 5-1/2" casing set to total depth.
 4. Shimmin Trust #4 located 540 feet from the south line and 1900 feet from the west line of Sec. 11, T12S, R10E. Drilled to a depth of 4,631 feet with 5-1/2" casing set to total depth.
 5. Shimmin Trust #5 located 660 feet from the north line and 2340 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,485 feet with 5-1/2" casing set to total depth.

Item #7 Water will be in temporary storage in pits at each well location as shown on the attached plat. Pits have been approved by the Oil and Gas Conservation Commission and vary in size with average size being 1,160 barrels or 48,720 gallons.

Date: October 1, 1991

Cockrell Oil Corporation

Attachment #2

Temporary Change Application
Number t91-91-09
Cockrell Oil Corporation
October 8, 1991

Proposed Well Locations
All locations in T12S, R10E, SLB&M:

- 1) 1210-0801: S. 415 ft. & W. 288 ft. from NE Cor. Sec. 8 (NE4NE4) 43-007-30127
- 2) 1210-0806: S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4) 43-007-30128
- 3) 1210-0708: S. 2000 ft. & W. 600 ft. from NE Cor. Sec. 7 (SE4NE4) 43-007-30135
- 4) 1210-0907: S. 2000 ft. & W. 2050 ft. from NE Cor. Sec. 9 (SW4NE4) 43-007-30127
- 5) 1210-0313: N. 750 ft. & E. 650 ft. from SW Cor. Sec. 3 (SW4SW4) 43-007-30128
- 6) 1210-1204: S. 1100 ft. & E. 1200 ft. from NW Cor. Sec. 12 (NW4NW4) 43-007-30128
- 7) 1210-1304: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 13 (NW4NW4) 43-007-30129
- 8) 1210-1504: S. 700 ft. & E. 500 ft. from NW Cor. Sec. 15 (NW4NW4) 43-007-30132
- 9) 1210-1609: N. 2000 ft. & W. 775 ft. from SE Cor. Sec. 16 (NE4SE4) 43-007-30130
- 10) 1210-1602: S. 700 ft. & W. 1900 ft. from NE Cor. Sec. 16 (NW4NE4) 43-007-30122
- 11) 1210-2302: S. 800 ft. & W. 1800 ft. from NE Cor. Sec. 23 (NW4NE4) 43-007-30134
- 12) 1210-2310: N. 2000 ft. & W. 1950 ft. from SE Cor. Sec. 23 (NW4SE4) 43-007-30126
- 13) 1210-2404: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 24 (NW4NW4) 43-007-30127
- 14) 1210-2412: N. 2100 ft. & E. 475 ft. from SW Cor. Sec. 24 (NW4SW4) 43-007-30137

STATE ENGINEER'S ENDORSEMENT

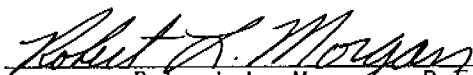
WATER RIGHT NUMBER: 91 - 4819

APPLICATION NO. T65703

1. October 21, 1991 Application received by JD.
 2. October 23, 1991 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated November 8, 1991, subject to prior rights and this application will expire on November 8, 1992.



Robert L. Morgan, P.E.
State Engineer



COCKRELL OIL
CORPORATION

1600 SMITH • SUITE 4600 • HOUSTON, TEXAS 77002-7348
TELEPHONE 713/651-1271

June 18, 1992

Utah Department of Natural Resources
355 West North Temple
3 Triad Center
Salt Lake City, Utah 84180-1204

Re: 1210-2412 Well #1
1210-2302 Well #1
1210-1504 Well #1
1210-1204 Well #1
1210-0907 Well #1
1210-0708 Well #1
1210-0313 Well #1
Carbon County, Utah

RECEIVED

JUN 22 1992

DIVISION OF
OIL GAS & MINING

Gentlemen:

For your well records, enclosed are two (2) copies each of Sundry Notice Request for APD Extension for the above referenced wells. The original Sundry Notices were sent to the BLM. If you require any additional information, please do not hesitate to contact our office.

Very truly yours,

B. E. Weichman
Special Projects Manager

BEW:lm
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Cockrell Oil Corporation

3. Address and Telephone No.

1600 Smith, Suite 4600 Houston, TX 77002

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2102' FSL, 531' FWL (NW 1/4 SW 1/4) Sec 24, T12S, R10E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-65949

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

1210-2412 Well #1

9. API Well No.

43-007-30129

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Carbon County, Utah

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other APD Extension

☐ Change of Plans

☐ New Construction

☐ Non-Friction Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Representatives of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all curves and zones pertinent to this work.)

Request for APD Extension. Drilling program delayed pending environmental studies.

RECEIVED

JUN 22 1992

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6-24-92

SIGNED: [Signature]

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed: [Signature]

Title: Mgr. Special Projects

Date: 6/8/92

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

July 6, 1992

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Mr. R.J. Firth
Associate Director Oil & Gas

RE: Change of Operator
Castlegate, CBM Project
Cockrell Oil Corporation
to PG&E Resources Company

Dear Sir:

Please find enclosed for the above referenced subject Sundry Notices; Form 9 (in triplicate) for the following wells located in Carbon County:

STATE

Schimmin Trust No. 1
Schimmin Trust No. 2
Schimmin Trust No. 3
Schimmin Trust No. 4
Schimmin Trust No. 5
1210-1602 No. 1
1210-1609 No. 1

FEDERAL

1210-0313 No. 1
1210-0708 No. 1
1210-0806 No. 1
1210-0907 No. 1
1210-1204 No. 1
1210-1304 No. 1
1210-1504 No. 1
1210-2302 No. 1
1210-2304 No. 1
1210-2310 No. 1
1210-2404 No. 1
1210-2412 No. 1

RECEIVED

JUL 10 1992

DIVISION OF
OIL GAS & MINING

Should additional information be required or if questions arise, please contact the undersigned at (214) 750-3988.

Sincerely,



Jim LaFevers
Regulatory Affairs Supervisor

JL/ap

wp51/jl/chgoper.ltr

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
UTU-65949

7. Indian Allottee or Tribe Name
--

8. Unit or Communitization Agreement
--

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals.

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other (specify) CBM Well

9. Well Name and Number
1210-2412 #1

2. Name of Operator
PG&E Resources Company

10. API Well Number
43-007-30139

3. Address of Operator
5950 Berkshire Lane, Suite 600, Dallas, TX 75245

4. Telephone Number
5 (214) 750-3988

11. Field and Pool, or Wildcat
Wildcat

5. Location of Well

Footage : 2102' FSL & 531' FWL
QQ. Sec. T., R., M. : NW SW Section 24, T-12S, R-10E

County : Carbon
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Change of Operator | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised PG&E Resources Company has acquired the above named well from Cockrell Oil Corporation, 1600 Smith Street, Suite 4600, Houston, TX 77002-7348 as of July 1, 1992.

Bond coverage for this well will be provided by Bond No. 8063-38-07 and by Bond No. 8057-26-00

RECEIVED

JUL 10 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Jim LaFevers

Jim LaFevers

Title Reg. Affairs Super. Date 7/6/92

(State Use Only)

3160-5
(1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of Well
☐ Oil Well ☐ Gas Well ☒ Other CBM Well

Name of Operator

PG&E Resources Company

Address and Telephone No

5950 Berkshire Lane, Suite 600, Dallas, TX 75225 (214) 750-3988

Location of Well (Footage, Sec., T., R., M., or Survey Description)

2102' FSL & 531' FWL
NW SW Section 24, T-12S, R-10E

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No
UTU-65949

6. If Indian, Allottee or Tribe Name
--

7. If Unit or CA, Agreement Designation
--

8. Well Name and No.
1210-2412 #1

9. API Well No
43-007-30139

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
Carbon

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

Change of Operator

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised PG&E Resources Company has acquired the above named well from Cockrell Oil Corporation, 1600 Smith Street, Suite 4600, Houston, TX 77002-7348 as of July 1, 1992.

Bond Coverage for this well will be provided by Bond No. U-187011.

RECEIVED

JUL 30 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Jim L. Fevers

Title

Regulatory Affairs Supervisor

Date 7/6/92

(This space for Federal or State office use)

Approved by

William C. Thuniger

Title

Assistant District Manager

Date 7/27/92

Conditions of approval, if any:

COMPLETION OF OPERATIONS

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

PG&E Resources Company
Well No. 1210-2412 #1
NWSW Sec. 24, T. 12 S., R. 10 E.
Carbon County, Utah
Lease U-65949

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that PG&E Resources Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by WY2554 (Principal - PG&E Resources Company) via surety consent as provided for in 43 CFR 3104.2.

1- LCR	7- LCR
2- DTB	5
3- VLC	✓
4- RJF	✓
5- RWM	✓
6- ADA	✓

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-92)

TO (new operator) PG&E RESOURCES COMPANY
(address) 5950 BERKSHIRE LN #600
DALLAS, TX 75225
JIM LEFEVERS
phone (214) 750-3824
account no. N 0595(X)

FROM (former operator) COCKRELL OIL CORPORATION
(address) 1600 SMITH STE 4600
HOUSTON, TX 77002-7348
phone (713) 651-1271
account no. N 1035

Well(s) (attach additional page if needed):

Name: <u>1210-2302 #1/DRL</u>	API: <u>43-007-30136</u>	Entity: <u>99999</u>	Sec <u>23</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>FEDERAL #7-9/DRL</u>	API: <u>43-007-30137</u>	Entity: <u>99999</u>	Sec <u>9</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65948</u>
Name: <u>FEDERAL #4-15/DRL</u>	API: <u>43-007-30138</u>	Entity: <u>99999</u>	Sec <u>15</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>1210-2412 #1/DRL</u>	API: <u>43-007-30139</u>	Entity: <u>99999</u>	Sec <u>24</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65949</u>
Name: <u>1210-0806 #1/DRL</u>	API: <u>43-007-30140</u>	Entity: <u>11272</u>	Sec <u>8</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>U-65948</u>
Name: <u>STATE #9-16/DRL</u>	API: <u>43-007-30132</u>	Entity: <u>99999</u>	Sec <u>16</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>ML-44443</u>
Name: <u>STATE #2-16/DRL</u>	API: <u>43-007-30133</u>	Entity: <u>99999</u>	Sec <u>16</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>ML-44443</u>

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *X Btm Approvals rec'd 7-30-92. (Rec'd St. Lease Sundries 8-10-92)*

2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 7-10-92)*

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____

4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(7-31-92)*

6. Cardex file has been updated for each well listed above. *(7-31-92)*

7. Well file labels have been updated for each well listed above. *(7-31-92)*

8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(7-31-92)*

9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- CE 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- PT 2. Copies of documents have been sent to State Lands for changes involving State leases.
8/25/92 to Ed Bonner

FILMING

- from 1. All attachments to this form have been microfilmed. Date: _____ 19____.


FILED

- 1 1. Copies of all attachments to this form have been filed in each well file.
- 1 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

920731 St. Louis / P&E has a statewide blanket bond.

September 25, 1992



U.S. Department of the Interior
Bureau of Land Management
Moab District Office
P.O. Box 970
Moab, Utah 84532

Attn: Mr. Bill Stringer
Assistant District Manager

RE: PG&E Resources Company
Castlegate CBM Project
Carbon County, Utah

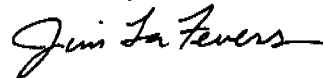
Dear Mr. Stringer:

Please find enclosed Sundry Notices; Form 3160-5 (in triplicate) requesting your office to cancel the approved Application for Permit to Drill (APD) for the following wells within the above referenced project.

Federal	1210-0313	No.1 -
Federal	1210-0708	No.1 -
Federal	1210-1204	No.1 -
Federal	1210-2302	No.1 -
Federal	1210-2304	No.1 -
Federal	1210-2404	No.1 -
Federal	1210-2412	No.1 -

PG&E Resources Company currently has no plans to drill these wells at this time. Should you require additional information, please contact me at (214) 750-3988.

Sincerely,



Jim LaFevers
Supervisor
Regulatory Affairs

cc: D.W. Moore

Mr. Frank Matthews
Division of Oil, Gas & Mining
3 Triad Center, Ste. 350
Salt Lake City, UT 84180

RECEIVED

SEP 30 1992

DIVISION OF
OIL GAS & MINING

wp51\jl\form3160.ltr

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other CBM Well

2. Name of Operator
PG&E Resources Company

3. Address and Telephone No.
6688 N. Central Expressway, Suite 1000, Dallas, TX 75206-3922

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2102' FSL & 531' FWL
NW SW Section 24, T12S-R10E

5. Lease Designation and Serial No.
UTU-65949

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Federal 1210-2412 No. 1

9. API Well No.
43-007-30139

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
Carbon

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Cancel APD

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PG&E Resources Company requests cancellation of the approved Application for Permit to Drill (APD) for the referenced well.

RECEIVED

SEP 30 1992

DIVISION OF
OIL GAS & MINING

ACCEPTED BY THE STATE
OF OREGON
DATE 9/30/92
BY J. Matthews

14. I hereby certify that the foregoing is true and correct

Signed Jim La Ferriere

Title Regulatory Affairs Supervisor

Date 9/25/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 6, 1992

Mr. Jim LaFevers
PG & E Resources Company
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

Dear Mr. LaFevers:

Re: Federal 1210-2412 #1, Sec. 24, T. 12S, R. 10E, Carbon County, Utah,
API No. 43-007-30139

Per your request, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley
Administrative Manager
Oil and Gas

DME/lde

cc: R.J. Firth
Bureau of Land Management - Moab
Well file

WO1139

Moab District
P. O. Box 970
Moab, Utah 84532

3162
(U-65949)
(U-065)

OCT 27 1992

PG&E Resources Company
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

Re: Rescinding Applications for Permit to Drill

Well No. Federal 1210-2302 No. 1

Federal 1210-2304 No. 1

Federal 1210-2404 No. 1

Federal 1210-2412 No. 1

42-007-30139

T. 12 S., R. 10 E. Sec 24

Carbon County, Utah

Lease U-65949

Gentlemen:

Please find enclosed Applications for Permit to Drill (APDs) dated October 15, 1990 and May 14, 1991, which are being rescinded upon your request.

Should you intend to drill at these locations at a future date, new applications for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

/S/ WILLIAM C. STRINGER

Assistant District Manager
Mineral Resources

Enclosure

1. Applications for Permit to Drill (4)

cc: State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203 (wo/Enclosure) ✓
Price River Resource Area, U-066 (wo/Enclosure)

VButts:vb:10/26/92

RECEIVED

OCT 29 1992

DIVISION OF
OIL, GAS & MINING